REMARKS

The present invention is a mobile terminal device, a part of a housing of a mobile terminal device which is detachable from the mobile terminal device, a means for changing optical properties of a lens module of a camera system of a mobile device, a method for changing optical properties of a lens module of a camera system of a mobile terminal device and a system for changing optical properties of a lens module of a camera system. A mobile terminal device 1, having a camera system 20 comprising a lens module, which enables taking pictures with optical imaging properties given by the lens module as described in paragraph 124 on page 34, lines 5 and 6 and paragraphs 135, 136, 138 and 140; a part of the housing of the mobile terminal device wherein part of the housing is detachable from the mobile terminal device; and means for changing optical properties of the lens module, the means being adapted to cooperate with the lens module of the camera system to enable taking pictures with the changed optical imaging properties, wherein the part of the housing comprises the means for changing the optical properties as described in paragraphs 123, 125 and 135.

Claims 37, 39, 41-45, 49, 50, 52-70, 76-80 and 86-105 stand rejected under 35 U.S.C. §102 as being anticipated by United States Patent 5,491,507 (Umezawa et al) and further, claims 38, 40, 46-48, 51, 71-75 and 81-95 stand rejected under 35 U.S.C. §103 as being unpatentable over Umezawa et al in view of Untied States Patent 6,373,524 (Suda et al). These grounds of rejection are traversed for the following reasons.

Umezawa et al discloses video telephone equipment. The video telephone equipment 1 includes a body 2, a camera 3, which is rotatably mounted on the

surface of the body, an ear pad 4, a speaker 6, an antenna 21 and a battery assembly 9. A display panel 11 and keys 12, 13, 14, and 15 and a microphone are disposed on the front surface of the body. The video telephone equipment includes a main circuit board 17 which includes a processor, a main battery, a communication device 18, speaker 6, display panel 11, a control circuit board 20, microphone 16, battery 90, antenna 21 and camera 3, as described in column 5, lines 31-62.

The camera includes an audio focusing function and an angle of view adjusting function. One side of the camera is coupled to a pivot 32 mounted on the right side surface of the body 2 with respect to the display panel 11 which extends substantially perpendicular to the side surface as described in column 7, lines 40-45. As illustrated in Fig. 6, a lens portion 24 is provided at the end of the camera 3 which is slidable in the longitudinal direction of the camera relative to the body. An indent 25 receives an end of the lens portion 24 formed at the lower end of the fixture 21A of the antenna. When the lens portion is pulled up and is brought into engagement with the indent 25, as shown in Fig. 6, the camera 3 is fixed for storage protecting the lens portion from dust and water as described in column 7, line 60, through line 5 of column 8. The lens portion 24 of the camera is slidable downward and disengages from the indent 25 by the user's right hand. The user may turn the camera to a position of a desired angle as illustrated in Fig. 7 and as described in column 10, lines 3-16. The lens portion may be turned with a range of 240° as described in column 10, lines 34-35. Finally, a connection cord connects the camera to the body to permit detachment which is drawn out through the hinge 32 as described in column 11, lines 46-50.

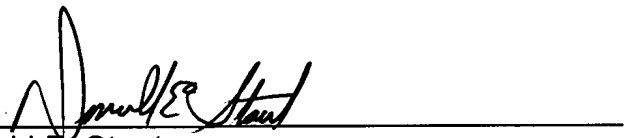
While Umezawa et al teach a video camera which is detachable from and rotatably and slidably mounted to mobile terminal device which provides for enhanced imaging including audio focusing and angle of view adjusting, Umezawa et al do not suggest the claimed subject matter involving the claimed lens module providing changeable optical imaging properties of the lens module as recited in each of the newly submitted independent claims 106, 113, 120, 125 and 130. Moreover, there is no basis in the record why a person of ordinary skill in the art would be led to modify the teachings of Umezawa et al alone or in combination with Suda et al to arrive at the claimed subject matter.

In view of the foregoing amendments and remarks, it is submitted that each of the claims in the application is in condition for allowance. Accordingly, early allowance thereof is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 C.F.R. §1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (1123.40878X00) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

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Attachments

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